2874

TRANSMITTAL LETTER (General - Patent Pending)	Docket No. 298/02511

In Re Application Of: Zeev Zalevsky, et al.

Serial No.	Filing Date	Examiner	Group Art Unit
09/907,252	July 17, 2001	WOOD, Kevin S.	2874

Title: A METHOD AND DEVICE FOR POLARIZATION-BASED ALL-OPTICAL SWITCHING (AMENDED)

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

Transmitted herewith is:

Response to Office Action dated November 29, 2002

in the above identified application.

- ☒ No additional fee is required.
- ☐ A check in the amount of is attached.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 03-3419 as described below. A duplicate copy of this sheet is enclosed.
  - ☐ Charge the amount of
  - ☒ Credit any overpayment.
  - ☒ Charge any additional fee required.

Signature

Dated: February 24, 2003

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I certify that this document and fee is being deposited on 2-24-03 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

William H. Dippert

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Typed or Printed Name of Person Mailing Correspondence

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298/02511.A02

#13/Amdt B
4.10.03
C. Moore

Applicant: Zeev Zalevsky et al.

Serial Number: 09/907,252

Filed: July 17, 2001

For: A METHOD AND DEVICE FOR POLARIZATION-BASED ALL-OPTICAL SWITCHING (AMENDED)

Art Unit: 2874

Examiner: WOOD, Kevin S.

Honorable Commissioner of Patents and Trademarks
Washington DC 20231

AMENDMENT

Sir:

Further to an office action dated November 29, 2002, kindly amend the application as follows:

IN THE ABSTRACT

Kindly replace the abstract with:

A switching method for selectively directing an input beam to at least one of two output channels, the method including:

(i) providing incidence of the input beam onto a polarizing beam splitting surface to thereby enable splitting of the input beam into two beam components of different polarizations propagating along different optical paths;

(ii) passing the input beam components of different polarizations through a controllable polarization rotating medium operable to selectively affect the polarization of each of the beam components; and

(iii) directing the beam components that have passed through the polarization rotating medium onto the polarizing beam splitting surface, thereby producing at least one output beam propagating towards at least one selected output channel, depending on a current mode of the medium;

where the input beam passes through the controllable polarization rotating medium prior to being split into said two beam components of different linear polarization states.